

## CLAIMS

We claim:

1. A mat comprising:

at least one layer of material having a generally flat top surface and a generally flat bottom surface;

the bottom layer of said mat having a plurality of recessions on said bottom surface of said bottom layer.

2. That mat as described in claim 1 wherein said material is rubber or plastic.

3. The mat as described in claim 1 wherein said recessions are cylindrical in shape.

4. The mat as described in claim 1 wherein said recessions are formed in a plurality of straight rows on said bottom surface of said bottom layer and said plurality of straight rows are parallel to each other.

5. The mat as described in claim 1 wherein the upper surface of the top layer of said mat comprises a bond of said top layer with another layer consisting of the group of yarn, carpet or fabric.

6. The mat as described in claim 1 wherein said mat comprises two layers of materials having top and bottom surfaces the top surface of the bottom layer being bonded to the bottom surface of the top layer.

7. The mat as described in claim 5 wherein said mat comprises two layers of materials having top and bottom surfaces the top surface of the bottom layer being bonded to the bottom surface of the top layer.

8. The mat as described in claim 1 wherein said mat comprises two or more layers of material each of said layers consisting of a different material.

9. The mat as described in claim 8 wherein said layers consist of varieties of rubber having varying flexibilities.

10. The mat as described in claim 7 wherein said bottom layer consists of a rubber

compound having a lower durometer reading than said top layer.

11. The mat as described in claim 10 wherein said bottom layer has a durometer reading of less than 45 units and said top layer has a durometer reading of more than 75 units.

12. The mat as described in claim 10 wherein the durometer reading of said bottom layer is at least 25 durometer units less than said top layer.

13. The mat as described in claim 1 wherein said material of at least one layer of said mat is impregnated with anti-bacterial materials.

14. A process for producing a mat according to claim 1, comprising the steps of: supplying a sheet of material to a mold for a press molding of said mat; and carrying out a press molding.

15. A process as described in claim 14 also comprising the step of cutting a molded sheet to the desired size to obtain a floor mat.

16. A process for producing a mat according to claim 6 or 7, comprising the steps of: producing a bottom layer of material according to claim 14 or 15; supplying a top layer of material; and laminating said bottom layer and said top layer of material; and curing said mat.

17. The process for producing a mat according to claim 6 or 7, comprising the steps of: producing a bottom layer of material according to claim 14 or 15; supplying a top layer of material; laminating said bottom layer and said top layer of material; pricking said mat; and curing said mat.